User manual

LSG-02 D / DE

Dust extractor drawers

Fig.: LSG-02 D

Fig.: LSG-02 DE

WASSERMANN DENTAL-MASCHINEN

CE

Die Basis für ihr Labor

Dear customer,

Thank you for choosing a product from the Wassermann range. Wassermann dental equipment incorporates the highest standards of quality and the latest technology. In order to enjoy maximum performance and years of trouble-free operation from the equipment, please read this user manual carefully before you start work, and operate the unit according to the recommended guidelines.
Please ensure that all persons operating the equipment have read and understood this user manual.

Keep this user manual on hand for ready reference.

Company address:
Wassermann Dental-Maschinen GmbH
Rudorffweg 15-17
D-21031 Hamburg
Germany
Tel.: +49 (0)40/ 730 926 - 0 Fax.: +49 (0)40/ 730 37 24
e-mail: info@wassermann-dental.com
URL: http// www.wassermann-dental.com

WASSERMANN DENTAL-MASCHINEN
Die Basis für Ihr Labor

Contents

Contents **2**
1 For your safety **3**
1.1 CORRECT USE OF THIS PRODUCT 3
1.2 SAFETY SYMBOLS USED IN THIS MANUAL 3
1.3 SAFETY GUIDELINES 4
1.4 RESPONSIBILITY FOR OPERATION AND DAMAGE 4
1.5 AUTHORIZED USERS 5
2 Care and maintenance **5**
2.1 MAINTENANCE 5
2.2 CARE 5
3 Use/Application **6**
4 Before you start **6**
4.1 UNPACKING / TRANSPORT 6
4.2 CONTENTS 7
5 Installation **7**
6 Start-up **7**
7 Troubleshooting / Correcting errors **8**
LSG-02 D 8
LSG-02 DE 8
7.1 TECHNICAL DATA 9
7.2 ACCESSORIES AND SPARE PARTS 9
7.3 REPAIRS 10
8 Warranty **10**
9 EC conformity certificate **11**

1 For your safety

1.1 Correct use of this product

The LSG-02 D/DE is used for extracting dust.
The LSG-02/D has an automatic level check, which stops the unit when the filter is full, while triggering the red warning light. The filter must then be changed.
Switching the unit off cancels the signal. The filter capacity is pre-set at the factory.
The LSG-02/DE has an automatic level check and an automatic restart device. As soon as the handpiece motor is used, the extractor unit cuts in automatically. It incorporates a 20-second delay to allow for short breaks in the work process.

1.2 Safety symbols used in this manual

Warning!

This is a warning of risk situations and dangers.
Failure to observe this warning could be life-threatening. These warnings must be observed.

Information!

This symbol draws your attention to specific features, which should be noted.

1.3 Safety guidelines

Configuring and operating this equipment requires ***precise knowledge*** and ***observance*** of the instructions in this ***user manual***. The equipment is designed only for its intended application.

Servicing and repairs should be carried out only by authorised specialists.

Make sure that the unit is connected to the correct mains voltage.

1.4 Responsibility for operation and damage

The responsibility for operating the unit lies exclusively with the owner or user if the said unit is incorrectly serviced, maintained or altered by persons not employed by an accredited dealer or if the unit is used in a manner contrary to its specified purpose.

The unit must be maintained and operated in accordance with this user manual. Wassermann Dental-Maschinen GmbH is not responsible for damage arising from the ***non-observance*** of these instructions.

Guarantee and responsibility provisions contained in the sales and supply conditions of Wassermann Dental-Maschinen GmbH are not extended by these instructions.

Product responsibility lapses if the equipment is altered by unauthorized third parties or if non-original parts are installed. Use only original WASSERMANN replacement parts.

1.5 Authorized users

The owner of the equipment must ensure that any users have been provided with the user manual and that they have read and understood its contents before operating the equipment.

Ensure that this user manual is accessible <u>at all times</u> and has been read and understood.

2 Care and maintenance

2.1 Maintenance

Always disconnect the power cable before undertaking cleaning or maintenance.
The model plate must always be legible and should not be removed.

The equipment should be cleaned at regular intervals to ensure trouble-free operation. It requires only normal cleaning (sponge, damp cloth, mild detergent). Do not use chemical additives.

2.2 Care

Remove external dirt from time to time with some form of cold cleaner.
Use only cold cleaners to avoid damaging the paintwork or removing the lettering.
Recommended: A151 universal cleaner.

3 Use/Application

The LSG-02 D/DE extractor drawers are technically proven and solid items of equipment made entirely of metal. Once pulled out, the drawers switch on automatically as soon as you start work. If a finishing motor is attached to the extractor, it starts as soon as the drawer is pulled out. This connection automatically switches the handpiece motor off again as soon as the drawer is pushed in. Working without dust extraction is not possible with this configuration.

4 Before you start

4.1 Unpacking / Transport

- Open the cartons, remove the packing materials, and carefully lift out the instrument and accessories. Check the accessories are correct.
- When transporting the unit, use appropriate packing materials to avoid accidental damage.

Locate the user manual and read it carefully.

When unpacking, it is important to identify any accidental transport damage. If necessary, draw up an immediate status report.

4.2 Contents

144011	Safety screen
592012	Cable
610023	Filter bag (installed)

5 Installation

To install the unit, first undo the red safety screws on the left and right of the frame until the frame can be removed from the extractor drawer.
Attach the drawer to the table plate. The front screw hole should be 110 mm from the front edge of the plate. Fasten the frame with 4 x M5 metal screws or 5 mm strong wood screws. Then locate the drawer on the telescopic rails. Tighten the red safety screws again to limit the outward travel of the drawer.

6 Start-up

The unit must be at room temperature before you start it

1. Connect the drawer to mains power.
2. Press the (green) rocker switch.
3. A microswitch starts the extractor and any attached finishing motor as soon as the draw is pulled out.

7 Troubleshooting / Correcting errors

LSG-02 D

Fault	Likely cause	Likely solution
Red filter-full light comes on	Filter full	Change filter or switch to continuous operation
Green rocker switch comes on but nothing happens	Faulty mains switch	Mains switch must be replaced

LSG-02 DE

Fault	Likely cause	Likely solution
Red filter-full light comes on	Filter full	Change filter or switch to continuous operation
Green rocker switch comes on but nothing happens	Faulty mains switch	Mains switch must be replaced
No control from micromotor	Trim potentiometer not adjusted	Adjust trim potentiometer to match model

If the above recommendations do not solve the problem, contact your dental depot or our Service department.

7.1 Technical data

Voltage	230 V / 50 Hz
Power consumption	2,0 A
Output	105 W, 0.5 A
Weight	17 kg
Suction capacity	360 m2/h – free-blowing

Width	455 mm
Depth	500 mm
Height	185 mm

Noise emission ≤ 70db(A).

We reserve the right to make technical changes.

7.2 Accessories and spare parts

Accessories	
Item number	Description
145005	Intermediate drawer for later installation
145006	Alternative with mounting frame for KaVo-EWL table
145200	Universal extractor hood incl. safety screen
145240	Monomer active charcoal filter
610023	Filter bag

Spare parts	
Item number	Description
144011	Safety screen
511044	Rocker switch, green
511051	Protective cap for rocker switch
611015	Filter bag set = 3 bags

7.3 Repairs

Servicing or repairs to the unit must only be carried out by trained technicians.
Only original spares are to be used.
Responsibility for the product is voided if altered by unauthorized persons or if inappropriate components are installed.

8 Warranty

The warranty period for our equipment is 12 months. If faults occur within the warranty period, contact your dental depot or get in touch directly with our Service department. Your extractor drawer should only be operated in perfect condition. If faults occur which could harm operators or third parties, the unit should not be used until it has been fixed. This warranty does not cover damage caused by improper use, external mechanical causes, transport damage or interference with the unit by unauthorized persons.

WASSERMANN DENTAL-MASCHINEN
Die Basis für Ihr Labor

9 EC conformity certificate

in accordance with 73/23/EWG (low-voltage guidelines) modified by 93/68/EWG and 89/336/EWG (EMV guidelines) and 89/392/EWG (Machinery guidelines), with modifications

Manufacturer:	W A S S E R M A N N Dental-Maschinen GmbH Rudorffweg 15 - 17 D-21031 Hamburg	Product description:	Extractor drawer for dental applications
Model:	LSG-02 D extractor drawer LSG-02 DE extractor drawer		145998 145997
Applicable standards:	EN 61010-1:1993 + A2:1995 EN 60335/2/54 03.97 EN 50081-1 + EN 50082-1 DIN 45635		

Hiermit wird bestätigt, dass die oben bezeichnete Maschine den genannten EG-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung verändert wird.

This is to confirm that the above mentioned machine complies with the described EC rules. This declaration becomes invalid if the machine is modified without our approval.

Cette machine est conforme aux normes en vigueur de la Communité Européene. Cet avis est nul et non avenant si cette machine est modifiée sans notre accord.

Esta máquina, anteriormente mencionada, cumple con los limites requeridos por el reglamento EC. Ahora bien, esta declaración quedará invalidada en caso de realizar modificaciones al aparato sin nuestra aprobación.

Hiermee wordt bevestigd dat bovengenoemde machine voldoet aan de voorgeschreven EU normen. Deze verklaring verliest geldigheid als er zonder onze uitdrukkelijke toestemming wijzigen aan de machine worden aangebracht.

Place, date: Hamburg, 10 April 2003 Company stamp:

WASSERMANN DENTAL-MASCHINEN GMBH
Rudorffweg 15 - 17 · 21031 Hamburg

Signed: _____
Wilfried Wassermann
(Managing Director)

WASSERMANN Dental-Maschinen GmbH
Rudorffweg 15 – 17, D-21031 Hamburg

Tel.: + 49 (0)40 / 730 926 – 0
Fax: +49 (0)40 / 730 37 24

e-mail: info@wassermann-dental.com

Internet: http://www.wassermann-dental.com